

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US00/10566

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B43L 13/06

US CL : 33/41.6: 404/85. 93. 94

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 33/41.6: 404/85. 93. 94

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

East, pointer, class/subclass

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, E	US 6,079,114 A (Toews) 27 June 2000, cols. 2, line 16 and col. 3, line 65.	1
Y	US 5,772,359 A (Marty) 30 June 1998, Fig. 3, col. 3, lines 58-67.	1
Y	US 4,624,602 A (Kieffer et al.) 25 November 1986, col. 2, lines 15-69.	1
X	US 5,540,518 A (Wambold) 30 July 1996, col. 8-12, line 65.	1
Y	US 2,660,791 A (Howell et al.) 01 December 1953, cols. 3-5, line 65.	1



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

31 JULY 2000

Date of mailing of the international search report

23 AUG 2000

Name and mailing address of the ISA/US  
Commissioner of Patents and Trademarks  
Box PCT  
Washington, D.C. 20231

Facsimile No. (703) 305-3230

Authorized officer

RAYMOND ADDIE

Telephone No. (703) 308-3248

09/980.981

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 19 MAR 2002
INFO PCT

Applicant's or agent's file reference 1168PCT	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/10566	International filing date (day/month/year) 19 APRIL 2000	Priority date (day/month/year) 19 APRIL 1999
International Patent Classification (IPC) or national classification and IPC IPC(7): B43L 13/06 and US Cl.: 35/41.6; 404/85, 93, 94		
Applicant GRACO INC.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority. (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 1 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of report with regard to novelty, inventive step or industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand  17 NOVEMBER 2000	Date of completion of this report  22 FEBRUARY 2002
Name and mailing address of the IPEA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	Authorized officer  THOMAS B. WILL <i>diane smith</i>
Facsimile No. (703) 305-3230	Telephone No. (703) 308-3870

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/10566

**I. Basis of the report**1. With regard to the **elements** of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages (See Attached) \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the claims:  
pages (See Attached) \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement) under Article 19  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the drawings:  
pages (See Attached) \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☒ the sequence listing part of the description:  
pages (See Attached) \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.  
These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in printed form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☒ The amendments have resulted in the cancellation of:

- ☒ the description, pages NONE
- ☒ the claims, Nos. NONE
- ☒ the drawings, sheets/fig NONE

5. ☐ This report has been drawn as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

\*\*Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/10566

**V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement****1. statement**

Novelty (N)

Claims 1 YESClaims none NO

Inventive Step (IS)

Claims 1 YESClaims none NO

Industrial Applicability (IA)

Claims 1 YESClaims NONE NO**2. citations and explanations (Rule 70.7)**

Claim 1 meets the criteria set out in PCT Article 33(2)-(4), because the prior art does not teach or fairly suggest a guidance system for a road stripper that is laterally adjustable.

\_\_\_\_\_ NEW CITATIONS \_\_\_\_\_

NONE

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

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**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: Boxes I - VIII

Sheet 10

**I. BASIS OF REPORT:**

This report has been drawn on the basis of the description,  
page(s) 1-3, as originally filed.  
page(s) NONE, filed with the demand.  
and additional amendments:  
NONE

This report has been drawn on the basis of the claims,  
page(s) NONE, as originally filed.  
page(s) NONE, as amended under Article 19.  
page(s) NONE, filed with the demand.  
and additional amendments:  
Page 4, filed with the letter of 18 January 2002.

This report has been drawn on the basis of the drawings,  
page(s) 1-3, as originally filed.  
page(s) NONE, filed with the demand.  
and additional amendments:  
NONE

This report has been drawn on the basis of the sequence listing part of the description:  
page(s) NONE, as originally filed.  
pages(s) NONE, filed with the demand.  
and additional amendments:  
NONE

PCT/US 00/10566  
PEA/US 18 JAN 2002

**CLAIMS**

1. A guidance system for use with a vehicle-mounted line striper, said guidance system comprising:

5 a frame member for mounting on said vehicle;

a first guide arm pivotably attached to said frame;

a second guide arm pivotably attached to said frame and said first guide arm;

a ground-contacting guide wheel rotatably mounted to said first guide arm; and

a guide rod extending vertically upwardly from said second guide arm so that

10 lateral movement of said frame member causes said guide wheel to pivot

thereby resulting in lateral movement of said guide rod relative to said

frame so that the operator of said vehicle may maintain said guide rod on a

line to be striped so as to maintain proper placement of said line through

curves.

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## PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING  
OF A CHANGE(PCT Rule 92bis.1 and  
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

FARROW, Douglas  
Graco Inc.  
88 11th Avenue NE  
Minneapolis, MN 55413  
ETATS-UNIS D'AMERIQUE

Date of mailing (day/month/year) 16 août 2001 (16.08.01)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference 1168PCT	
International application No. PCT/US00/10566	International filing date (day/month/year) 19 avril 2000 (19.04.00)

1. The following indications appeared on record concerning:		
<input checked="" type="checkbox"/> the applicant	<input type="checkbox"/> the inventor	<input type="checkbox"/> the agent <input type="checkbox"/> the common representative
Name and Address GRACO INC. 4050 Olson Memorial Highway Golden Valley, MN 55422 United States of America	State of Nationality US	State of Residence US
	Telephone No. 612-623-6000	
	Facsimile No. 612-623-6944	
	Teleprinter No.	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
<input type="checkbox"/> the person	<input type="checkbox"/> the name	<input checked="" type="checkbox"/> the address <input type="checkbox"/> the nationality <input type="checkbox"/> the residence
Name and Address GRACO INC. 88 11th Avenue, NE Minneapolis, MN 55413 United States of America	State of Nationality US	State of Residence US
	Telephone No. 612-623-6000	
	Facsimile No. 612-623-6944	
	Teleprinter No.	
3. Further observations, if necessary: <b>Please, notify, as well, the record, in recipient box, of the agent's new address.</b>		
4. A copy of this notification has been sent to:		
<input checked="" type="checkbox"/> the receiving Office	<input type="checkbox"/> the designated Offices concerned	
<input type="checkbox"/> the International Searching Authority	<input checked="" type="checkbox"/> the elected Offices concerned	
<input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  P. Blanchet (Fax 338.87.40)
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

## PATENT COOPERATION TREATY

PCT

## NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner  
 US Department of Commerce  
 United States Patent and Trademark  
 Office, PCT  
 2011 South Clark Place Room  
 CP2/5C24  
 Arlington, VA 22202  
 ETATS-UNIS D'AMERIQUE  
 in its capacity as elected Office

<b>Date of mailing (day/month/year)</b> 19 January 2001 (19.01.01)	
<b>International application No.</b> PCT/US00/10566	<b>Applicant's or agent's file reference</b> 1168PCT
<b>International filing date (day/month/year)</b> 19 April 2000 (19.04.00)	<b>Priority date (day/month/year)</b> 19 April 1999 (19.04.99)
<b>Applicant</b> SCHROEDER, James	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:  
 17 November 2000 (17.11.00)

☐ in a notice effecting later election filed with the International Bureau on:  
 \_\_\_\_\_

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Olivia TEFY Telephone No.: (41-22) 338.83.38
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